

CLEMSON EXTENSION

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PEANUTS - IRRIGATED, CONVENTIONAL TILLAGE

ESTIMATED COSTS AND RETURNS PER ACRE, 2009/2010
4000 POUND YIELD

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
PEANUTS	LBS	4000.00	\$0.250	\$1,000.00	_____
TOTAL RECEIPTS:				\$1,000.00	_____
2. VARIABLE COSTS					
SEED	LBS	120.00	\$0.70	\$84.00	_____
INOCULANT	OZ	14.00	\$1.00	\$14.00	_____
FERTILIZER					
PHOSPHATE	LBS	40.00	\$1.28	\$51.20	_____
POTASH	LBS	60.00	\$0.90	\$54.00	_____
BORON	LBS	2.50	\$1.25	\$3.13	_____
MANGANESE	LBS	5.00	\$0.33	\$1.65	_____
LIME (PRORATED)	TON	0.50	\$51.00	\$25.50	_____
LAND PLASTER (SPREAD)	TON	0.75	\$32.00	\$24.00	_____
HERBICIDES	ACRE	1.00	\$46.56	\$46.56	_____
INSECTICIDES	ACRE	1.00	\$12.58	\$12.58	_____
FUNGICIDES	ACRE	1.00	\$84.56	\$84.56	_____
GROWTH REGULATOR	ACRE	1.00	\$15.90	\$15.90	_____
IRRIG., MACH & LABOR **	ACRE	1.00	\$39.91	\$39.91	_____
CONSULTANT FEE	ACRE	1.00	\$15.00	\$15.00	_____
HAULING	TON	2.00	\$20.00	\$40.00	_____
DRYING & CLEANING	TON	2.00	\$40.00	\$80.00	_____
STATE CHECK-OFF FEE	TON	2.00	\$2.00	\$4.00	_____
NATIONAL ASSESMENT **	ACRE	1.00	\$7.10	\$7.10	_____
CROP INSURANCE	ACRE	1.00	\$12.00	\$12.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$69.49	\$69.49	_____
LABOR	HRS	5.11	\$6.50	\$33.22	_____
INTEREST ON OP. CAP.	DOL.	\$270.74	9.0%	\$24.37	_____
TOTAL VARIABLE COSTS:				\$742.17	_____
3. INCOME ABOVE VARIABLE COSTS:				\$257.83	_____
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$120.69	\$120.69	_____
IRRIGATION	ACRE	1.00	\$108.86	\$108.86	_____
TOTAL FIXED COSTS:				\$229.55	_____
5. OTHER COSTS					
LAND RENT	ACRE	1.00	\$50.00	\$50.00	_____
GENERAL OVERHEAD	DOL.	\$742.17	9.0%	\$66.80	_____
TOTAL OTHER COSTS:				\$116.80	_____
6. TOTAL COSTS:				\$1,088.52	_____
7. NET RETURNS TO RISK AND MANAGEMENT:				-\$88.52	_____

BREAK-EVEN YIELD

			BREAK-EVEN PRICE	
VARIABLE COSTS	2836	LBS	VARIABLE COSTS	\$0.186
TOTAL COSTS	4453	LBS	TOTAL COSTS	\$0.272

* PLEASE NOTE: THIS BUDGET IS FOR PLANNING PURPOSES ONLY.

** 4 IRRIGATIONS OF 1 INCH PER ACRE

*** NATIONAL ASSESMENT IS 1% OF GROSS RECEIPT AT LOAN RATE AND IS ALSO NAMED NATIONAL PROMOTION AND RESEARCH

PEANUTS - IRRIGATED, CONVENTIONAL TILLAGE						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR 4000 YIELD PEANUTS						
MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
4	HEAVY DISK 14'	2.00	0.33	0.30	\$8.04	\$8.66
5	LIGHT DISKING W/ HERBICIDE	1.00	0.17	0.15	\$3.37	\$3.47
5	SUBSOILER-PLANTER 6-ROW	1.00	0.20	0.18	\$7.34	\$8.93
5-9	HIBOY	7.00	0.46	0.42	\$13.93	\$26.60
6	FERTILIZER SPREADER	1.00	0.13	0.12	\$1.85	\$4.54
10	DIGGER INVERTER 6-ROW	1.00	0.37	0.34	\$12.82	\$13.11
10	PEANUT COMBINE 4-ROW	1.00	0.61	0.55	\$22.14	\$55.38
PER ACRE TOTALS FOR SELECTED OPERATIONS			2.27	2.06	\$69.49	\$120.69
UNALLOCATED LABOR(HRS./AC.)			2.84			

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES						
YIELD	PRICE (\$/lbs.)					
	LBS.	\$0.21	\$0.23	\$0.25	\$0.27	\$0.29
3000		-\$84.72	-\$24.72	\$35.28	\$95.28	\$155.28
3500		\$3.00	\$73.01	\$143.01	\$213.01	\$283.01
4000		\$90.73	\$170.73	\$250.73	\$330.73	\$410.73
4500		\$178.46	\$268.46	\$358.46	\$448.46	\$538.46
5000		\$266.18	\$366.18	\$466.18	\$566.18	\$666.18

CHEMICAL USE ASSUMPTIONS FOR 4000 YIELD PEANUTS						
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH	
HERBICIDES:						
pendimethalin (Prowl)	PT	2.30	\$2.54	\$5.85	APR	
flumioxazin (Valor)	OZ	3.00	\$3.91	\$11.73	MAY	
imazameth (Cadre)	OZ	4.00	\$4.73	\$18.91	JUN	
2, 4-DB	PT	1.00	\$2.79	\$2.79	JUN	
clethodim (Select)	OZ	8.00	\$0.91	\$7.28	JUL	
INSECTICIDES:						
lambda-cyhalothrin (Karate-Z)	OZ	1.60	\$1.58	\$2.53	AUG	
phorate (Thimet)	LB	5.00	\$2.01	\$10.05	MAY	
FUNGICIDES:						
chlorothalonil (Bravo)	PT	4.50	\$3.56	\$16.03	JUN/JUL/AUG/SEP	
prothioconazole+tebuconazole (Provost)	OZ	20.00	\$2.32	\$46.48	2X JUL/AUG	
flutolanil+propiconazole (Artisan)	OZ	32.00	\$0.69	\$22.05	AUG/SEP	
GROWTH REGULATOR:						
prohexadione calcium (Apogee)	OZ	4.80	\$3.31	\$15.90	2X JUL	
TOTAL:				\$159.60		

The above listed chemicals are examples and do not imply exclusive recommendations by Clemson University. See PeanutMoneyMaker production guide: virtual.clemson.edu/groups/peanuts. Production assumptions provided by Jay W. Chapin, Extension Specialist, (803) 284-3343, jchapin@clemson.edu.

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